

IN THE CLAIMS

A listing of all claims and their current status in accordance with 37 C.F.R. § 1.121(c) is provided below.

1.-10. (canceled)

11. (previously presented) A headband for applying pressure to an oximetry sensor on the forehead of a patient, comprising:

a low stretch segment sized to fit around a patient's head;

an elastic segment being smaller than the low stretch segment, the elastic segment having a free end and an attached end, the elastic segment being attached at the attached end with the low stretch segment;

a tab portion having a first end and a second end, the first end of the tab portion being connected to the free end of the elastic portion, the second end of the tab portion configured to form a closed loop with the low stretch segment around a patient's head;

a visual indicator configured to monitor the extended position of the free end of the elastic segment;

a stop portion configured to engage against the elastic segment to limit the stretch of the elastic segment, the stop portion comprising an opening having a width that is smaller than the width of the low stretch segment and the width of the elastic segment; and

a closure mechanism configured to couple the second end of the tab portion with the low stretch segment to secure the closed loop.

12. (previously presented) The headband of claim 1 wherein the visual indicator is on the tab portion between its first end and the stop portion such that the indicator portion when visible indicates that the headband needs re-tightening; and when the indicator portion is not visible it indicates an adequate level of tension corresponding

with delivering a pressure in the range higher than the venous pressure and lower than the capillary pressure to the forehead of the patient.

13. (previously presented) The headband of claim 1 wherein the visual indicator comprises a notch, a line, or a marking, or any combination thereof on the low stretch segment.

14. (previously presented) The headband of claim 1 wherein the closure mechanism comprises a hook and loop closure, a snap, a button, an adhesive, or a pin, or any combination thereof.

15.-16. (canceled)

17. (currently amended) A headband, comprising:
a low stretch segment sized to fit around a wearer's head;
an elastic segment being smaller than the low stretch segment, the elastic
segment having a free end and an attached end, the elastic segment being attached at the
attached end with the low stretch segment;
a tab portion having a first end and a second end, the first end of the tab
portion being connected with the free end of the elastic portion, the second end of the tab
portion configured to form a closed loop with the low stretch segment; and
a stop portion configured to engage against the elastic segment to limit the
stretch of the elastic segment. The headband of claim 10, wherein the tab portion
comprises an indicator portion between the free end of the elastic portion and the stop
portion, such that the indicator portion, when visible, indicates that the headband needs
re-tightening; and when the indicator portion is not visible it indicates an adequate level
of tension corresponding with delivering a pressure in a range higher than venous
pressure and lower than capillary pressure to the wearer's head.

18. (currently amended) A headband, comprising:

a low stretch segment sized to fit around a wearer's head;

an elastic segment being smaller than the low stretch segment, the elastic segment having a free end and an attached end, the elastic segment being attached at the attached end with the low stretch segment;

a tab portion having a first end and a second end, the first end of the tab portion being connected with the free end of the elastic portion, the second end of the tab portion configured to form a closed loop with the low stretch segment;

an indicator configured to indicate whether the headband is applying pressure in a given range when the headband is around the wearer's head, The headband of claim 15, wherein the indicator comprises a marker associated with the free end of the elastic segment, such that pulling the tab outwardly along the headband moves the free end of the elastic segment relative to the marker to indicate whether the headband is delivering a level of tension corresponding to a pressure in a range higher than venous pressure and lower than capillary pressure to the wearer's head.

19. (currently amended) A headband, comprising:

a low stretch segment sized to fit around a wearer's head;

an elastic segment being smaller than the low stretch segment, the elastic segment having a free end and an attached end, the elastic segment being attached at the attached end with the low stretch segment, the free end of the elastic segment configured to form a closed loop with the low stretch segment around a wearer's head; and The headband of claim 1, comprising

a sensor configured to be placed on a wearer's head and to be forced against the wearer's head via pressure from the headband.

20. (previously presented) The headband of claim 19, comprising a pressure sensor coupled to the sensor or to the headband.

21. (previously presented) The headband of claim 20, wherein the pressure sensor is visible from a side of the headband not in contact with the wearer's head.

22. (previously presented) The headband of claim 11, comprising a sensor configured to be placed on the patient's head and to be forced against the patient's head via pressure from the headband.

23. (previously presented) The headband of claim 22, comprising a pressure sensor coupled to the sensor or to the headband.

24. (previously presented) The headband of claim 23, wherein the pressure sensor is visible from a side of the headband not in contact with the patient's head.

25.-26. (canceled)

27. (currently amended) A headband at least long enough to encircle a wearer's head, comprising:

a substantially inelastic band having a first end portion and a second end portion;

an elastic band having a first end and a second end, wherein the first end of the elastic band is attached to the substantially inelastic band;

a tab having a first end and a second end, wherein the first end of the tab is attached to the second end of the elastic band, and the second end of the tab is configured to extend outwardly from the second end portion of the substantially inelastic band and to couple to the first end portion of the substantially inelastic band;

a visual indicator configured to indicate a position of the second end of the elastic band;

a sensor configured to be placed on the wearer's head and to be forced against the wearer's head via pressure from the headband; and The headband of claim 26, comprising

a pressure sensor coupled to the sensor or to the headband.

28. (previously presented) The headband of claim 27, wherein the pressure sensor is visible from a side of the headband not in contact with the wearer's head.

29.-30. (canceled)

31. (currently amended) A headband at least long enough to encircle a wearer's head, comprising:

a substantially inelastic band having a first end portion and a second end portion;

an elastic band having a first end and a second end, wherein the first end of the elastic band is attached to the substantially inelastic band;

a tab having a first end and a second end, wherein the first end of the tab is attached to the second end of the elastic band, and the second end of the tab is configured to extend outwardly from the second end portion of the substantially inelastic band and to couple to the first end portion of the substantially inelastic band;

a visual indicator configured to indicate a position of the second end of the elastic band; and The headband of claim 25, comprising

a stop configured to limit stretching of the elastic band, wherein the stop comprises an opening in the substantially inelastic band having a width large enough for the tab to pass through, but small enough to restrain the elastic band from passing through.

32.-33. (canceled)

34. (previously presented) A headband at least long enough to encircle a wearer's head, comprising:

a substantially inelastic band;

an elastic band having one end attached to the substantially inelastic band, and configured to be pulled in a direction away from the end attached to the substantially inelastic band and in a direction along the headband when the headband is around the wearer's head, and configured to stretch when pulled such that the tension created when stretched applies pressure to the wearer's head;

a visual indicator configured to indicate whether the pressure applied to the wearer's head from the headband is in a pressure range higher than venous pressure and lower than capillary pressure; and The headband of claim 33 comprising

a sensor configured to be placed on the wearer's head and to be forced against the wearer's head via pressure from the headband.

35. (previously presented) The headband of claim 34, comprising a pressure sensor coupled to the sensor or to the headband.

36. (previously presented) The headband of claim 35, wherein the pressure sensor is visible from a side of the headband not in contact with the wearer's head.

37.-40. (canceled)